

# Converting Colors

XYZ(63.0368, 62.2435, 65.8685)

Have a look what the booklet for  
XYZ(63.0368, 62.2435, 65.8685)  
contains.

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# Color

**XYZ(63.1498, 62.3017,  
65.8238)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E2C9CC
RGB	226, 201, 204
RGB Percent	89%, 79%, 80%
CMY	0.1137, 0.2117, 0.2000
CMYK	0.00, 0.11, 0.10, 0.11
HSL	353°, 30%, 84%
HSV	353°, 11%, 89%
XYZ	63.1498, 62.3017, 65.8238
YIQ	208.8170, 13.9370, 6.2330

# Conversions

## Conversions Part 2

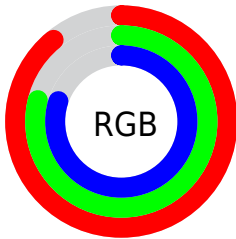
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 201, 204
Decimal	14862796
CIE Lab	83.07, 9.25, 1.71
CIE LCh	83, 9.410, 10.444
Yxy	62.3017, 0.3302, 0.3257
Android (android.graphics.Color)	4293052876 (0xFFE2C9CC)
YUV	208.8170, -2.3748, 15.0695
Hunter-Lab	78.9314, 4.6805, 5.8079

# Details

The XYZ color **63.1498, 62.3017, 65.8238** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.6055, 72.1396, 80.3350**, and the grayscale version is **60.4952, 63.6456, 69.3101**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.7333, 31.7274, 33.2529** is the 20% darker color. If you saturate the color by 10%, you get **56.0288, 51.6366, 52.4217**, and if you desaturate by 10%, it is **71.3541, 74.6444, 81.0918**.

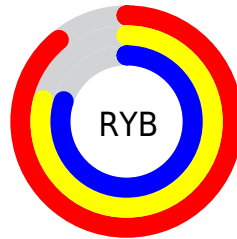
# Distribution



Red (89%)

Green (79%)

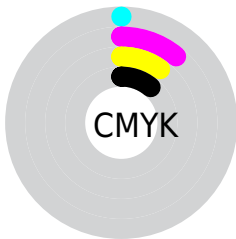
Blue (80%)



Red (89%)

Yellow (79%)

Blue (80%)

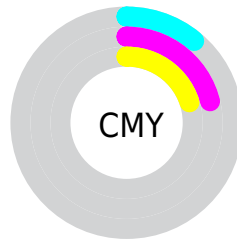


Cyan (0%)

Magenta (11%)

Yellow (10%)

Black (11%)



Cyan (11%)

Magenta (21%)

Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.1498, 62.3017, 65.8238 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 63.1498, 62.3017, 65.8238 by changing the saturation by 10% instead.



63.1498, 62.3017,  
65.8238

63.1498, 62.3017,  
65.8238

425.7640,  
433.0307, 464.1335

46.2215, 45.2765,  
47.6738

108.4662,  
108.1615, 114.8580

32.6260, 31.6753,  
33.2105

137.5850,  
137.7648, 146.5793

21.9980, 21.1136,  
22.0153

171.4980,  
172.3297, 183.6614

13.9720, 13.2071,  
13.6697

210.5707,  
212.2405, 226.5229

8.1828, 7.5713,  
7.7552

255.1682,  
257.8816, 275.5823

4.2649, 3.8219,  
3.8532

305.6560,

1.8531, 1.5744,

309.6374, 331.2582

1.5452

362.3995,  
367.8923, 393.9690

■ 0.5493, 0.3403,  
0.2512

■ 0.0000, 0.0000,  
0.0000

■ 63.1498, 62.3017,  
65.8238

■ 63.1498, 62.3017,  
65.8238

■ 56.0288, 51.6366,  
52.4217

■ 71.3541, 74.6444,  
81.0918

■ 49.9408, 42.5688,  
40.8101

■ 80.6791, 88.7242,  
98.2893

■ 44.8391, 35.0239,  
30.9140

■ 85.1744, 94.9089,  
108.4378

■ 40.6716, 28.9181,  
22.6519

■ 37.3810, 24.1598,  
15.9354

■ 34.9040, 20.6466,  
10.6679

■ 33.1684, 18.2614,  
6.7416

■ 32.0893, 16.8650,  
4.0336

■ 31.5632, 16.2485,  
2.5150

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.9819, 62.3017, 71.6584



63.1498, 62.3017, 65.8238



62.2454, 62.3017, 60.8198

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.1498, 62.3017, 65.8238



56.7125, 62.3017, 59.6563



57.9152, 62.3017, 78.9587

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



63.1498, 62.3017, 65.8238



64.6055, 72.1396, 80.3350

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



56.2863, 62.3017, 75.3719



63.1498, 62.3017, 65.8238



55.6031, 62.3017, 64.1520

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.1498, 62.3017, 65.8238



58.5091, 62.3017, 57.3968



55.4489, 62.3017, 69.8887



59.9284, 62.3017, 79.4698



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.1498, 62.3017, 65.8238



61.1680, 62.3017, 58.5433



55.4489, 62.3017, 69.8887



57.3058, 62.3017, 78.0634

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



63.1515, 62.3045, 65.8251



91.5926, 94.7897, 102.4930



64.9449, 62.9022, 80.6707



19.4117, 19.9984, 21.5796



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.1515, 62.3045, 65.8251



81.0247, 78.9042, 82.7840



64.9964, 66.5637, 64.6841



13.7737, 13.7271, 14.5786



18.0294, 9.2788, 1.5545



1.2721, 0.6521, 0.2256



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



63.1515, 62.3045, 65.8251



81.0247, 78.9042, 82.7840



62.5871, 67.4505, 81.6729



13.7737, 13.7271, 14.5786



18.0294, 9.2788, 1.5545

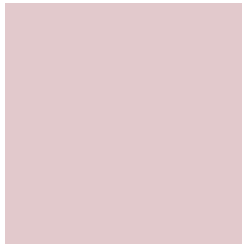


1.2721, 0.6521, 0.2256



# Previews

## White Background



This preview shows how the XYZ color 63.1498, 62.3017, 65.8238 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

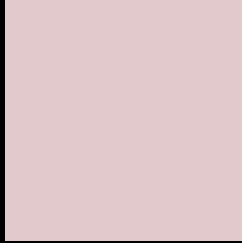
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.1498, 62.3017, 65.8238 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

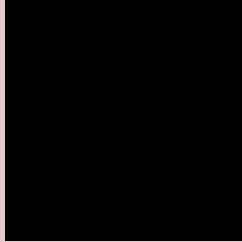
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 63.1498, 62.3017, 65.8238

## Background



This preview shows how black text looks on a background with the XYZ color 63.1498, 62.3017, 65.8238.



This preview shows how white text looks on a background with the XYZ color 63.1498, 62.3017,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

63.1498, 62.3017, 65.8238

### Protanopia

60.1978, 62.4965, 67.9218

### Deuteranopia

63.5483, 62.1622, 65.7759



## Tritanopia

64.3677, 62.0840, 72.8809

# Trichromacy



## Original Color

63.1498, 62.3017, 65.8238

## Protanomaly

61.0523, 62.2409, 67.1884

## Deuteranomaly

63.2319, 61.9991, 65.7611

## Tritanomaly

64.0907, 62.3426, 70.2834

# Monochromacy



## Original Color

63.1498, 62.3017, 65.8238

## Achromatopsia

60.6036, 63.7597, 69.4343

## Achromatomaly

61.3581, 63.0947, 67.9761

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.1498, 62.3017, 65.8238 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(226, 201, 204)` looks like.

```
.text, #text, p{  
    color:rgb(226, 201, 204)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(226, 201, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 201, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 63.1498, 62.3017, 65.8238 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(226, 201, 204) }
```



If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(226, 201, 204) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(226, 201, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 201, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 201, 204);  
box-shadow:4px 4px 4px 4px rgb(226, 201,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.1498, 62.3017, 65.8238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 201, 204) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(226,  
201, 204) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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